

This listing of claims replaces all prior versions, and listings of claims in the instant application:

Listing of Claims:

1. (Previously Presented) In a computer system, a method comprising:

displaying a list of at least one group of computer programs so as to allow a user to select a group of computer programs to be built, said at least one group of computer programs having a set of specific environmental requirements in which said at least one group of computer programs is to be compiled and executed;

displaying a list of a plurality of computers, each computer of said plurality of computers having at least one environmental characteristic;

receiving a user's selection of a group of computer programs from said list of said at least one group of computer programs;

determining each computer, in said plurality of computers, capable of building the selected group of computer programs based on said at least one environmental characteristic;

indicating each said capable computer on said list of the plurality of computers; and

designating a capable computer in response to the user's selection of a computer from the capable computers on said list of the plurality of computers.

2. (Previously Presented) The method according to claim 1, further comprising:

displaying a list of user-selectable options.

3. (Previously Presented) The method according to claim 2, further comprising:

determining available build options for the selected computer; and

indicating said available build options on said list of user-selectable options.

4. (Previously Presented) The method according to claim 2, further comprising:

executing, in response to a user-selectable option being selected, a build process for the selected group of computer programs using the selected computer.

5. (Previously Presented) The method according to claim 4, further comprising:

outputting a result of said executing the build process.

6. (Previously Presented) The method according to claim 2, wherein said user-selectable options include at least one of:

building a group of computer programs;

testing a group of computer programs;

checking a group of computer programs;

removing existing computer programs and files from a specific location assigned to a selected group; and

logging a result of executing a selected build option.

7. (Previously Presented) The method according to claim 2, further comprising:

determining available processes for a selected user-selectable option; and

displaying a list of said available processes.

8. (Previously Presented) The method according to claim 1, wherein said determining each computer includes:
obtaining said at least one environmental characteristic of said each computer; and
comparing said at least one environmental characteristic with said set of specific environmental requirements of the selected group of computer programs.

9. (Previously Presented) The method according to claim 8, further comprising:
maintaining a file containing environmental characteristics of the plurality of computers; and
reading said at least one environmental characteristic of said each computer from said file.

10. (Previously Presented) The method according to claim 9, wherein said maintaining includes updating said environmental characteristics of the plurality of computers contained in said file.

11. (Previously Presented) The method according to claim 8, wherein said at least one environmental characteristic is obtained by making a query to said plurality of computers.

12. (Previously Presented) The method according to claim 1, wherein said at least one environmental characteristic of the computer includes at least one of a number of CPUs within the computer, a CPU architecture, a bus width, a version and type of an operating system, and an average load of the computer.

13. (Previously Presented) The method according to claim 1, wherein in said indicating includes highlighting each

said capable computer on said list of the plurality of computers.

14. (Previously Presented) The method according to claim 1, wherein said set of specific environmental requirements includes at least one of a number of CPUs, a CPU architecture, a bus width, and a type and version of an operating system.

15. (Previously Presented) The method according to claim 1, wherein said at least one group of computer programs is at least one library.

16. (Previously Presented) The method according to claim 15, wherein said set of specific environmental requirements includes at least one of a number of CPUs, a CPU architecture, a bus width, a type and version of an operating system, a method of compiling, and a link type of a library.

17. (Previously Presented) The method according to claim 16, wherein said displaying a list of said at least one group of computer programs includes showing at least one of said specific environmental requirements for each library.

18. (Currently Amended) In a software developing environment, a computer-based tool comprising:

a display interface allowing a user to make a selection, including:

a list of at least one group of computer programs, said at least one group of computer programs having a set of specific environmental requirements in which said at least one group of computer programs is to be compiled and executed; and

a list of a plurality of computers, each of said plurality of computers having at least one environmental characteristic, wherein said plurality of computers are in a network;

a group selector receiving and implementing a user's selection of a group of programs from said list of said at least one group of computer programs;

a computer determiner to determine each computer, in said plurality of computers, capable of building the selected group of computer programs based on said at least one environmental characteristic;

a computer indicator for indicating each said capable computer on said list of the plurality of computers; and

a computer selector, responsive to the user's selection of a computer on said list of the plurality of computer, to designate a corresponding capable computer from among said plurality of computers.

19. (Currently Amended) The computer-based tool according to claim 18, wherein said display interface further includes a list of user-selectable options.

20. (Currently Amended) The computer-based tool according to claim 19, further comprising:

an option indicator, responsive to the user's selection of a computer, to determine available build options for the selected computer and to indicate said available build options on said list of user-selectable options.

21. (Currently Amended) The computer-based tool according to claim 20, further comprising:

a build controller, responsive to the user's selection of a build option, to execute a build process

for the selected group of programs using the selected computer in accordance with the selected build option.

22. (Currently Amended) The computer-based tool according to claim 21, wherein said build controller outputs a result executing the build process.

23. (Currently Amended) The computer-based tool according to claim 19, wherein said user-selectable options include at least one of:

- building a group of computer programs;
- testing a group of computer programs;
- checking a group of computer programs;
- removing existing computer programs and files from a specific location assigned to a selected group; and
- logging a result of executing a selected build option.

24. (Currently Amended) The computer-based tool according to claim 19, wherein said option indicator further determines available processes for a selected user-selectable option, and displays a list of said available processes on said display interface.

25. (Currently Amended) The computer-based tool according to claim 18, wherein said computer determiner includes:

- a properties determiner for obtaining said at least one environmental characteristic of said each computer; and

- a comparer for comparing said at least one environmental characteristic with the set of specific environmental requirements of the selected group of computer programs.

26. (Currently Amended) The computer-based tool according to claim 18, wherein said computer determiner further includes:

a file for storing environmental characteristics of the plurality of computers.

27. (Currently Amended) The computer-based tool according to claim 26, wherein said computer determiner further includes:

a file maintainer for updating said environmental characteristics of the plurality of computers contained in said file.

28. (Currently Amended) The computer-based tool according to claim 25, wherein said properties determiner makes a query to the plurality of computers to obtain said at least one environmental characteristic.

29. (Currently Amended) The computer-based tool according to claim 18, wherein said at least one environmental characteristic of the computer includes at least one of a number of CPUs within the computer, a CPU architecture, a bus width, a version and type of an operating system, and an average load of the computer.

30. (Currently Amended) The computer-based tool according to claim 18, wherein said computer indicator highlights each said capable computer on said list of the computers.

31. (Currently Amended) The computer-based tool according to claim 18, wherein said set of specific environmental requirements includes at least one of a number of

CPUs required, a CPU architecture, a bus width, and a type and version of an operating system.

32. (Currently Amended) The computer-based tool according to claim 18, wherein said at least one group of computer programs is at least one library.

33. (Currently Amended) The computer-based tool according to claim 32, wherein said set of specific environmental requirements includes at least one of a number of CPUs, a CPU architecture, a bus width, a type and version of an operating system, a method of compiling, and a link type of a library.

34. (Currently Amended) The computer-based tool according to claim 33, wherein said list of said at least one group of computer programs includes at least one of said specific environmental requirements associated with each library.

35. (Previously Presented) An apparatus comprising:
means for displaying a list of at least one group of computer programs so as to allow a user to select a group of computer programs to be built, said at least one group of computer programs having a set of specific environmental requirements in which said at least one group of computer programs is to be compiled and executed;
means for displaying a list of a plurality of computers, each computer of said plurality of computers having at least one environmental characteristic;
means for receiving a user's selection of a group of computer programs from said list of at least one group of computer programs;

means for determining each computer, in said plurality of computers, capable of building the selected group of programs based on said at least one environmental characteristic;

means for indicating each said capable computer on said list of the plurality of computers; and

means for designating a capable computer in response to the user's selection of a computer from the capable computers on said list of the plurality of computers.

36. (Previously Presented) The apparatus according to claim 35, further comprising:

means for displaying a list of user-selectable options.

37. (Previously Presented) The apparatus according to claim 36, further comprising:

means for determining available build options for the selected computer; and

means for indicating said available build options on said list of user-selectable options.

38. (Previously Presented) The apparatus according to claim 36, further comprising:

means for executing, in response to a user-selectable option being selected, a build process for the selected group of computer programs using the selected computer.

39. (Previously Presented) The apparatus according to claim 38, further comprising:

means for outputting a result of said executing the build process.

40. (Previously Presented) The apparatus according to claim 36, wherein said user-selectable options include at least one of:

- building a group of computer programs;
- testing a group of computer programs;
- checking a group of computer programs;
- removing existing computer programs and files from a specific location assigned to a selected group; and
- logging a result of executing a selected build option.

41. (Previously Presented) The apparatus according to claim 36, further comprising:

- means for determining available processes for a selected user-selectable option; and
- means for displaying a list of said available processes.

42. (Previously Presented) The apparatus according to claim 35, wherein said means for determining each computer includes:

- means for obtaining said at least one environmental characteristic of said each computer; and
- means for comparing said at least one environmental characteristic with said set of specific environmental requirements of the selected group of computer programs.

43. (Previously Presented) The An apparatus according to claim 42, further comprising:

- means for maintaining a file containing environmental characteristics of the plurality of computers; and
- means for reading said at least one environmental characteristic of said each computer from said file.

44. (Previously Presented) The apparatus according to claim 43, said means for maintaining includes means for updating said environmental characteristics of the plurality of computers contained in said file.

45. (Previously Presented) The apparatus according to claim 42, wherein said means for obtaining includes means for making a query to said plurality of computers to obtain said at least one environmental characteristic.

46. (Previously Presented) The apparatus according to claim 35, wherein said at least one environmental characteristic of the computer includes at least one of a number of CPUs within the computer, a CPU architecture, a bus width, a version and type of an operating system, and an average load of the computer.

47. (Previously Presented) The apparatus according to claim 35, wherein in said means for indicating includes means for highlighting each said capable computer on said list of the plurality of computers.

48. (Previously Presented) The apparatus according to claim 35, wherein said set of specific environmental requirements includes at least one of a number of CPUs, a CPU architecture, a bus width, and a type and version of an operating system.

49. (Previously Presented) The apparatus according to claim 35, wherein said at least one group of computer programs is at least one library.

50. (Previously Presented) The apparatus according to claim 49, wherein said set of specific environmental

requirements includes at least one of a number of CPUs, a CPU architecture, a bus width, a type and version of an operating system, an apparatus for compiling, and a link type of a library.

51. (Previously Presented) The apparatus according to claim 50, wherein said means for displaying a list of said at least one group of computer programs includes means for showing at least one of said set of specific environmental requirements for each library.

52. (Previously Presented) A program storage device readable by a computer, tangibly embodying a program of instructions executable by the computer to perform a method for building a group of computer programs selected from at least one group of computer programs on a selected computer of a plurality of computers networked to a computer system having a user interface, said method comprising:

displaying a list of said at least one group of computer programs so as to allow a user to select a group of computer programs to be built, each of said at least one group of computer programs having a set of specific environmental requirements in which said at least one group of computer programs is to be compiled and executed;

displaying a list of said plurality of computers, each computer of said plurality of computers having at least one environmental characteristic;

receiving a user's selection of a group of computer programs from said at least one group;

determining each computer, in said plurality of computers, capable of building the selected group of programs based on said at least one environmental characteristic;

indicating each said capable computer on said list of the plurality of computers; and

designating a capable computer in response to the user's selection of a computer from the capable computers on said list of said plurality of computers.